

URBAN DISTRICT  
OF FARNWORTH.

# Annual Report

OF THE  
Medical Officer of Health

For the Year 1923.



By A. G. GLASS, M.A., M.D., D.P.H.,  
*Medical Officer of Health.*

## HEALTH COMMITTEE.

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### Chairman:

Councillor CUNLIFFE, J.P., C.C. (ex-officio)

### Members:

Councillor BARNES	Councillor RICHARDSON
„ BERRY	„ SHIPPOBOTTOM
„ BIRCH	„ SIXSMITH
„ CLAYTON	„ STONES, J.P.
„ COULTHURST	„ WILCOCKSON
„ FARNWORTH	„ WINTER
„ MARTIN	

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## MATERNITY and CHILD WELFARE COMMITTEE.

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### Chairman:

Councillor Mrs. BARNES, O.B.E., J.P.

### Members:

Councillor CUNLIFFE, J.P., C.C. (ex-officio)
„ CLAYTON
„ COULTHURST
„ KENYON
„ SHIPPOBOTTOM
„ SIXSMITH
„ WILCOCKSON

### Co-opted Members:

Mrs. CHADWICK	Mrs. JONES
„ COOKE	„ STEVENSON
„ HODGE	„ WILCOCKSON

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## HOSPITAL COMMITTEE.

### Chairman:

Councillor Mrs. BARNES, O.B.E., J.P.

### Members:

Councillor CLAYTON	Councillor SHIPPOBOTTOM
„ COULTHURST	„ SIXSMITH
„ CUNLIFFE, J.P., C.C.	„ WILCOCKSON
„ KENYON	

## To the Chairman and Members of the Farnworth Health Committee.

GENTLEMEN,

I have pleasure in submitting my Annual Report on the health of the District for 1923.

As laid down in Circular 269 of the Ministry of Health, this year's Report is an "ordinary" one, consisting of little more than a summary of the work done by the Department during the year. "Survey" Reports—of a full and detailed character—are required every fifth year. The next Survey Report is due in 1925:

There were no serious outbreaks of epidemic disease during 1923, and the health of the district, as evidenced by the general death rate and by the infantile mortality rate, was good.

During the year 708 privy closets were converted to fresh-water closets—a record of which we are justly proud.

Inspection of dairies and cowsheds was systematically carried out, and many improvements have been effected. The dairy cows were inspected on several occasions by the Veterinary Surgeon, and were reported as being of a good class and healthy.

Cases of overcrowding continue to be reported, but it is impossible to abate this evil until more houses are available.

The public conscience is being slowly aroused in regard to the nuisance from smoke, and it is to be hoped that some solution will be found to this vexed question in the near future.

In the Appendix to the Report will be found some interesting statistics relating to Farnworth, obtained from the last census.

In conclusion I wish to thank the Committee for their help and co-operation during the year, and the members of my staff for their loyal support.

I remain, Gentlemen,

Yours faithfully,

A. G. GLASS.

### 1.—General Statistics.

Area (acres)	...	...	...	...	...	...	1,504
Population (1923)	...	...	...	...	...	...	28,890
Number of inhabited houses (1922)	...	...	...	...	...	...	6,118
Number of families or separate occupiers (1922)	...	...	...	...	...	...	6,186
Rateable value	...	...	...	...	...	...	£136,247
Sum represented by a penny rate	...	...	...	...	...	...	£545

### 2.—Extracts from Vital Statistics of the Year 1923.

			Total	Males	Females			
Births	{	Legitimate ...	495	269	226	{	Birth rate ...	17.8
		Illegitimate ...	22	10	12			
Deaths ...	...	...	349	163	186		Death rate ...	12.0
Number of women dying in, or in		{ from sepsis ...		1				
consequence of childbirth ...		{ from other causes		2				
Deaths of Infants under one year of age:—								
Legitimate, 33			Illegitimate, 3			Total, 36		
Deaths from Measles (all ages)	...	...	...	...	3			
„ „ Whooping Cough (all ages)	...	...	...	...	3			
„ „ Diarrhœa (under 2 years of age)	...	...	...	...	5			

**Births.**—The birth rate continues to decline steadily in Farnworth as elsewhere throughout the country. The Farnworth rate for 1923 was 17.8 per 1,000 of the population, as against 18.6 for 1922, 23.8 for 1921, and 24.2 for 1920.

**Deaths.**—The general death rate for Farnworth was 12.0 per 1,000 of the population, as against 13.0 for 1922, 12.5 for 1921, and 12.9 for 1920. From the following table it will be seen that the death rate for this District was amongst the lowest of those in the Lancaster areas:—

Table I.

Name of Town					Death Rate.
Accrington	...	...	...	...	12.3
Batley	...	...	...	...	13.4
Blackburn	...	...	...	...	13.4
Bcotle	...	...	...	...	13.1
Chadderton	...	...	...	...	13.7
Chorley	...	...	...	...	12.3
Colne	...	...	...	...	12.7
Darwen	...	...	...	...	13.5
Dewsbury	...	...	...	...	14.0
Eccles	...	...	...	...	10.7
<b>FARNWORTH</b>	...	...	...	...	<b>12.0</b>
Keighley	...	...	...	...	13.6
Lancaster	...	...	...	...	12.1
Leigh	...	...	...	...	12.1
Middleton	...	...	...	...	12.3
Nelson	...	...	...	...	11.1
Stalybridge	...	...	...	...	14.96
Swinton and Pendlebury	...	...	...	...	12.3
Waterloo-with-Seaforth	...	...	...	...	12.0

**Infantile Mortality.**—The infantile mortality rate for Farnworth was 69 per 1,000 registered births—a rise of 1 per 1,000 on the previous year. Table III. shows the corresponding rates for all Districts with a population of over 25,000 in the administrative County of Lancaster.

Table II.

Showing Birth Rates, Death Rates and Infantile Mortality Rates for Farnworth since 1911, compared with England and Wales.

Year.	Birth Rates.		Death Rates.		Infantile Mortality Rates.	
	England and Wales	Farnworth	England and Wales	Farnworth	England and Wales	Farnworth
1911	24.3	23.3	14.2	16.5	130	224
1912	23.9	22.7	13.0	12.5	95	109
1913	24.1	22.4	13.5	15.0	108	215
1914	23.8	23.1	13.7	14.3	105	122
1915	21.9	19.8	14.8	18.3	110	172
1916	20.9	18.5	13.4	15.1	91	104
1917	17.8	18.4	13.5	16.1	96	112
1918	17.7	18.1	17.1	17.1	97	113
1919	18.5	17.0	13.3	16.9	89	127
1920	25.4	24.2	12.1	12.9	80	125
1921	22.4	23.8	11.5	12.5	83	90
1922	20.6	18.6	12.9	13.0	77	68
1923	19.7	17.8	11.6	12.0	69	69



**Table III.**

Showing Infantile Mortality Rates of all towns of over 25,000 population in the Administrative County of Lancaster for the Year 1923.

Name of Town.	Infantile Mortality Rate.
Accrington ... ..	58.8
Ashton-under-Lyne ... ..	81.5
Chadderton ... ..	110.0
Chorley ... ..	92.0
Darwen ... ..	78.0
Eccles ... ..	53.0
Heywood ... ..	103.0
Lancaster ... ..	83.0
Leigh ... ..	85.0
Middleton ... ..	72.0
Nelson ... ..	76.0
Rawtenstall ... ..	75.0
Stretford ... ..	75.0
Swinton and Pendlebury ... ..	104.0
Waterloo-with-Seaforth ... ..	83.0
Widnes ... ..	68.0
<b>FARNWORTH</b> ... ..	69.0
<b>ENGLAND and WALES</b> ... ..	69.0

**Table IV.**

PRINCIPAL CAUSES OF DEATH IN 1923.

Total number of deaths registered ... 349 { Males 163  
Females 186

Name of Disease.	Number of Deaths.			
	1923.			1922.
	Males.	Females.	Total.	Total.
Heart Disease ... ..	18	28	46	56
Bronchitis ... ..	16	25	41	40
Pneumonia (all forms) ...	20	15	35	39
Cancer; malignant disease	12	22	34	31
Tuberculosis of respiratory system ... ..	16	7	23	26
Cerebral Hæmorrhage ...	8	12	20	19
Influenza ... ..	5	7	12	18
Deaths from violence (suicide, four males) ...	5	3	8	17
Arterio-sclerosis ...	8	10	18	13
Congenital debility, prema- ture birth, etc. ...	14	3	17	13
Measles ... ..	1	2	3	11
Whooping cough ... ..	—	3	3	3

## 3. Notifiable Diseases During the Year.

	CASES NOTIFIED.													Total cases removed to Hospital.	Total Deaths
	Total Cases at all Ages.	Years.													
		Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over		
Diphtheria and Membranous Croup ... ..	21	—	2	1	2	6	8	—	2	—	—	—	11	1	
Erysipelas ... ..	17	—	—	—	—	1	1	—	3	6	—	—	—	—	
Scarlet Fever ... ..	55	—	3	7	1	24	12	2	3	—	—	1	51	—	
Enteric Fever (including Paratyphoid) ... ..	3	—	—	—	—	—	—	—	—	1	2	—	1	—	
Puerperal Fever ... ..	3	—	—	—	—	—	—	—	1	—	—	—	—	1	
Ophthalmia Neonatorum ... ..	6	6	—	—	—	—	—	—	—	—	—	—	—	—	
Acute Primary Pneumonia } ... ..	49	1	6	1	—	4	1	4	6	9	12	5	—	35	
Acute Influenzal Pneumonia } ... ..	51	—	—	—	—	—	1	3	21	7	19	—	19	23	
†Respiratory Tuberculosis ... ..	25	—	3	1	—	5	7	2	5	1	1	—	1	6	
Other forms of Tuberculosis															
Totals ... ..	230	7	12	5	9	3	40	30	11	41	20	40	83	77	

† The notification of tuberculosis is efficient in the district. Of the 29 cases which died of the disease during the year only two had not been notified, and in each case the attention of the medical practitioner was drawn to the omission. There has been no wilful neglect or refusal to notify.

## Tuberculosis.

Age Periods. Years.	NEW CASES.				DEATHS.			
	Respiratory.		Other Forms		Respiratory.		Other Forms.	
	Male	F.	M.	F.	M.	F.	M.	F.
0-1	—	—	—	—	—	—	—	—
1-5	—	—	4	—	—	—	2	—
5-10	—	—	2	3	—	—	—	—
10-15	—	1	1	6	—	1	1	—
15-20	2	1	—	2	—	1	—	—
20-25	4	3	—	1	4	1	—	—
25-35	5	8	2	2	3	2	—	—
35-45	6	2	1	—	3	—	2	—
45-55	4	4	1	—	3	1	—	1
55-65	7	4	—	—	2	1	—	—
65 and upwards	—	—	—	—	1	—	—	—
Totals ...	28	23	11	14	16	7	5	1

## Ophthalmia Neonatorum.

Cases.			Vision Un- impaired,	Vision Impaired.	Total Blind- ness.	Deaths.
Number Notified.	Treated.					
	At Home	In Hospital.				
6	6	—	6	—	—	—

## 4.—Causes of Sickness.

There were no unusual causes of sickness and invalidity during the year. Diseases of the respiratory organs, tubercular and otherwise were common. Influenza and chickenpox were somewhat prevalent during part of the year, but nothing of the nature of a serious epidemic was experienced.

## 5.—Summary (for Reference) of Nursing Arrangements, Hospitals, and Other Institutions Available for the District.

Professional Nursing in the home:—

(a) General—The District Nursing Association carries out general nursing in the area. The Association is a voluntary one, and employs two qualified nurses.

(b) For Infectious Disease—Health Visitors visit cases of measles, chickenpox and whooping-cough.



### Midwives.

The Midwives are under the control of the County Council. At the end of the year there were 11 registered midwives in practice in the District. No subsidy is paid by the local authority for this service.

### Clinics and Treatment Centres.

Name of Clinic.	Situation.	Nature of Accommodation.	Provided by
M. & C. W. } Com- School } bined	Wesley School Market Street Farnworth.	Waiting-room, demonstration room ; Medical Officer's consulting room, surgery, bath-room with slipper and spray baths, lavatory accommodation and pram shelter.	Farnworth Urban District Council .
Day Nurseries.	—	—	—
Tuberculosis.	12 Bolton Road, Moses Gate, Farnworth.	2 waiting and 2 dressing-rooms (male and female) Consulting-room, Surgical-room, small ante-room, W.C. accommodation.	Lancashire County Council.
Venereal Diseases.	Offices of Public Health Dept., Howell Croft N., Bolton.	Waiting and ante-rooms, Consulting, treatment and irrigation rooms. Lavatory and W.C. accommodation.	Bolton Corporation.

## MATERNITY AND CHILD WELFARE DEPARTMENT.

The work of this Department can be conveniently divided into—

(1) Health Visiting.

(2) Work at the Clinic.

**Health Visiting.**—The Council employs two fully-trained health visitors, who also possess the Sanitary Inspector's certificate. It is their duty to visit all newly-born children with the object of giving help and advice to the mothers in regard to the feeding and care of their infants. Repeated visits are paid during the first year of the child's life, and the mothers are encouraged to bring their babies to the Clinic to be weighed, &c. Occasional visits are also paid to children over 12 months of age, especially where they are known to be ailing, and the visits are continued until the child reaches school age.

The visits to the homes are greatly appreciated by most mothers, and there can be little doubt that many a young life has been saved by timely advice and encouragement from the health visitor.

**The Welfare Clinic.**—The Clinic is open on three afternoons each week, when the Health Visitors are in attendance. The Medical Officer attends on one of the afternoons and sees all cases that are referred to him for advice. Frequent lectures and talks are given, and in this and other ways the principles of health and hygiene are inculcated.

The various brands of dried milk, virol, &c., are sold to mothers at cost price, and under the Council's scheme milk—liquid or dried—is supplied free of cost to expectant and nursing mothers and to infants under 12 months where the family income is not sufficient to provide for it.

The social side of the work is also encouraged. Mothers are supplied with tea and cakes at a small cost, and they have the opportunity of friendly intercourse with one another. The work of the voluntary helpers has been beyond praise, and Farnworth is deeply indebted to those ladies who devote so much of their time to welfare work.

Table V.

SUMMARY OF WORK DONE BY MATERNITY AND CHILD WELFARE DEPARTMENT.

VISITS PAID.										CLINIC.				FREE MILK.	
1923	First Visits	Re-visits		Exp. Mothers	Special	TOTAL	Homes	Attendances				Dried Milk (lbs.)	Cows' Milk (pints)		
		Under 1 year	1-5 years					Under 1 year	1-5 years	Total Attendc.	Average Attendc.			Exp. Mothers	
Jan.	44	202	358	20	2	626	442	197	126	323	25	106	93		
Feb.	46	244	296	25	7	618	490	233	111	344	28	134	98		
Mar.	27	171	207	19	3	427	342	247	120	367	30	153	67		
April	75	213	401	26	6	721	562	279	147	426	39	142	60		
May	53	345	444	32	—	874	670	292	166	458	38	130	41		
June	39	274	370	16	7	706	536	312	128	440	36	141	14		
July	45	263	311	23	5	647	515	271	85	356	32	150	9		
Aug.	30	139	181	13	—	363	295	326	74	400	33	154	31		
Sept.	41	193	263	16	9	522	421	307	112	419	38	105	31		
Oct.	51	276	353	24	4	708	571	322	109	431	36	40	55		
Nov.	37	277	426	24	8	772	551	312	130	442	37	43	60		
Dec.	43	199	282	13	7	544	424	279	152	431	36	42	25		
Totals	531	2796	3892	251	58	7528	5819	3377	1460	4837	34 Average	1340	584		

**Health Week.**—The movement known as Health Week was instituted in 1912. A special committee of the Royal Sanitary Institute undertakes all the central work in connection with Health Week, but celebrations in each centre are organised and controlled by local Committees.

The object of Health Week is to focus public attention for one week in the year on matters of health, and to arouse that sense of personal responsibility without which all public work, whether by the Government or Local Authorities, must fall far short of its aims.

The celebrations were held from the 7th to the 12th October inclusive, and while not on the same extensive scale as in previous years, proved helpful and successful. The audiences at the evening lectures were not so large as on former occasions—due probably to counter-attractions and insufficient advertisement.

Demonstrations to mothers on cookery and laundry were given by Miss Seddon and assistants at Queen Street School, and talks on health subjects were given daily to groups of school children.

The programme was as follows:—

Sunday.—Sermons on Health Topics delivered by the local Clergy.

Monday Evening.—Lecture on “Sunlight and Childhood” by Dr. C. W. Saleeby.

Wednesday Afternoon.—Exhibition of several films at the Savoy Picture House, with an address by Miss M. M. Tipper.

Wednesday Evening.—Lecture on “The Present Housing Situation and the New Housing Act, 1923” by Mr. W. Loftus Hare, of the Garden Cities and Town Planning Association.

Friday Evening.—Lecture on “First Aid to the Babies,” by Dr. F. L. Sessions.

#### **Other Clinics:—**

(1) School Clinic.—This is under the control and management of the Farnworth Education Committee, and is fully reported on in the Annual Report of the School Medical Officer.

(2) Tuberculosis.—The County Council has the control of this work. They have established a Clinic at Moses Gate. All cases of tuberculosis are referred to and dealt with by the Medical Officer in charge of that Dispensary.



- (3) **Venereal Diseases.**—This is also under the care of the County Council. Provision is made for treatment of all cases of venereal diseases at Bolton.

Hospitals provided or subsidised by the Local Authority or by the County Council:—

- (1) **Tuberculosis.**—The County Council has available the following Institutions for Tuberculosis:—

(a)	Sanatoria for adults (for early, educational or observation cases)	...	...	...	...	...	7
(b)	Sanatoria and Training Colonies	...	...	...	...	...	2
(c)	Pulmonary Hospitals (for advanced, educational and observation cases)	...	...	...	...	...	13
(d)	Observation Hospital	...	...	...	...	...	1
(e)	Non-pulmonary (Surgical) Hospitals—Adults and children	...	...	...	...	...	17
(f)	Non-pulmonary (Skin) Hospital	...	...	...	...	...	1

- (2) **Maternity.**—Townley's Hospital is available for cases of labour. The Hospital is under the administration of the Bolton Union and receives no contribution from the District Council. Complicated labour cases are sent to St. Mary's Hospital, Manchester, an annual contribution of £10 being made by the Council.

- (3) **Children.**—Children are admitted to:—

- (a) Townley's Hospital (no contribution).  
 (b) Manchester Children's Hospital, Pendlebury. (Annual contribution, £7 : 0 : 0).  
 (c) Bolton Infirmary (annual contribution, £21 : 0 : 0).

- (4) **Fever.**—The Farnworth Urban District Council possesses a well-equipped isolation hospital with accommodation for about 50 patients.

The following cases were admitted during 1923:—

Scarlet Fever	...	71
Diphtheria	...	13
Enteric Fever	...	1

There was one death—from scarlet fever.



- (5) **Smallpox.**—Arrangements exist for the reception of small-pox cases at the Bury and District Joint Hospital. The District Council pay a retaining fee of £74:0:0 per annum, plus maintenance and administrative costs.

(6) **Other Hospitals:—**

- (a) Royal Infirmary, Manchester—for general surgical and medical cases. (Annual contribution, £12 : 12 : 0).
- (b) Eye Hospital, Manchester (Annual contribution, £3 : 3 : 0).
- (c) Skin Hospital, Manchester. (Annual contribution, £5 : 5 : 0). Institutional provision for unmarried mothers, illegitimate infants and homeless children in the District—Townley's Hospital, Farnworth.

**Ambulance Facilities:—**

- (a) For Infectious cases—Hospital motor Ambulance.
- (b) For non-infectious and accident cases—Two motor ambulances, kept at the Fire Station.

## 6.—Laboratory Work.

Arrangements exist between the Council and the Pathological Department of the University of Manchester for the examination of morbid specimens sent by local practitioners in connection with patients residing within the District. In addition, diphtheria anti-toxin is supplied for cases occurring in the District. The entire cost of this service, which in 1922 amounted to £78 : 7 : 0, is borne by the Council.

The following is a summary of the work done during the year:—

	No. of Specimens
Throat Swabs (for diphtheria) ...	123
Sputum (for Tuberculosis) ...	82
Blood (for Typhoid) ...	12
272,000 units of diphtheria anti-toxin were issued.	

## 7.—Sanitary Administration.

List of Adoptive Acts, Bye-Laws, and Local Regulations relating to the public health, in force in the District, with date of adoption:—

(1) **Adoptive Acts:—**

- (a) The Infectious Diseases (Prevention) Act, 1890. Adopted 16th March, 1896.

(b) The Public Health Acts (Amendment) Act, 1890 (Parts I. to V. inclusive). Adopted 1st October, 1891.

(c) The Public Health Acts (Amendment) Act, 1907 (Parts V., VI. Sections of II., III., IV. and X. Sections of Parts VII. and VIII.). Adopted 1909.

(2) **Bye-Laws:—**

(a)	New Streets and Buildings ... ..	Adopted Feb., 1900
(b)	Public Baths ... ..	„ Feb., 1900
(c)	Cleansing of Footways and Pavements	„ Feb., 1900
(d)	Nuisances ... ..	„ Feb., 1900
(e)	Slaughter-houses ... ..	„ Feb., 1900
(f)	Tripe-boilers ... ..	„ Feb., 1900
(g)	Sanitary Conveniences ... ..	„ Feb., 1900
(h)	Common Lodging-houses ... ..	„ July, 1867

(3) **Regulations:—**

Dairies, Cowsheds and Milkshops ... Adopted July, 1899

Tabular Summary of the work of the Sanitary Department during the year:—

Notices served (preliminary), 693.

„ „ (statutory), 561.

Visits of re-inspection, or to works in progress, 2683.

Visits to infected houses, 132.

Visits to cowsheds, 132.

Visits to slaughter-houses, 239.

Privies converted to fresh-water closets, 708.

Dry ashpits abolished, 9.

Additional water closets provided, 34.

Bins provided in lieu of ashpits, 772.

Bins renewed, 15.

Other closet nuisances abated, 35.

Drains reconstructed, 618.

Drains repaired, unstopped, &c., 39.

Rainwater, Bath and other pipes disconnected from  
drains, 245.

Defective sinks renewed, 87.

„ wash boilers renewed, 4.

„ staircases repaired, 1.

„ doors repaired, 6.

„ eavespouts and roofs repaired, 66.

„ walls, ceilings and floors repaired, 358.

„ window frames repaired, 75.

Houses limewashed, &c., 351.

Windows made to open, 78.

Offensive accumulations removed, 5.

Nuisances (keeping of animals) abated, 5.

„ (overcrowding) abated, 2.

Back yards flagged, 49.

Back yard pavements repaired, 82.

Miscellaneous, 28.

188 lbs. of beef was destroyed.

### CLOSET CONVERSIONS.

During the year no fewer than 708 privy closets were converted to fresh-water closets. The work is carried out under Section 52 of the Farnworth Urban District Council Act of 1900. No subsidy is paid by the Council, the entire cost being borne by the owner. The work of conversion has been proceeding rapidly of late years, and there remain only 850 privy closets to be converted. At the end of the year there were 5,857 fresh-water closets, 604 waste-water closets, and 32 pail closets. There were 3,274 portable receptacles for refuse, against 2,513 last year. There are left 1,183 dry ash pits and 462 privy middens, against 1,197 and 833 respectively last year.

### SLAUGHTER-HOUSES.

There are 11 in the District, all licensed annually. They are mostly old buildings, many of them being too near to dwelling-houses. Such as they are, however, they are kept in a satisfactory condition.

### DISINFECTION AND DISINFESTATION.

Disinfection of houses after infectious disease is carried out by formalin and sulphur fumigation. Clothing, etc., is conveyed to the hospital to be dealt with by the steam disinfector. During the year 118 houses and 1,693 articles were disinfected.

## DAIRIES, COWSHEDS AND MILKSHOPS.

These are inspected at frequent intervals, and any sanitary defect notified. In addition all the cattle at the dairy farms are inspected four times a year by Mr. J. D. Whitehead, F.R.C.V.S. Samples of milk are taken from any suspected animal and sent to the laboratory for examination. Mr. Whitehead reports that there is a good class of cattle in the District and that their condition is satisfactory.

## FOOD.

The following articles of food were found to be unfit for human consumption. They were voluntarily surrendered and destroyed:—

				Lbs.
2 pigs' plucks	...	...	...	24
1 pig's head	...	...	...	20
4 pairs bovine lungs	...	...	...	65
2 bovine heads	...	...	...	56
1 bovine liver	...	...	...	13
1 udder	...	...	...	10
				—
Total			...	188
				—

## SMOKE ABATEMENT.

The pollution of the atmosphere in and around our large towns by industrial and domestic smoke is one of the most urgent and difficult problems confronting Public Health Authorities. Not only does smoke vitiate the air, but it deprives the community of much sunlight and thereby lowers the vitality especially of children. The economic loss to the country caused by smoke is enormous.

Unfortunately there are no legislative measures which enable us to deal effectively with this nuisance. Against domestic chimneys (which cause at least 50 per cent. of the trouble) we have no legislative remedy, while in the case of factories, although "any chimney sending forth **black** smoke in such quantity as to be a nuisance" can be dealt with, yet there is no definition of the word "black," nor does the law indicate what amount of smoke constitutes a nuisance. The result is that Authorities have fixed their own standards, and these vary greatly throughout the country.



The Farnworth standard is:—

1 or 2 boilers,	2 minutes per half hour
3 „	3 do. do.
4 „	4 do. do.

During the year 55 observations of factory chimneys were taken, resulting in 5 statutory notices being served for excessive emissions of black smoke.

#### 8.—PUBLIC HEALTH STAFF.

Medical Officer of Health ...	<b>Alexander G. Glass, M.A., M.D., D.P.H.</b> (Also M.O.H., Kearsley U.D.C.)
Sanitary Inspectors ...	<b>J. Marshall, A.R.S.I.</b> <b>S. Seel, A.R.S.I.</b> (Also Market Supt.) <b>H. T. Ogden, A.R.S.I., Cert. Meat Inspector.</b>
Health Visitors ... ..	<b>Miss A. Pendlebury, A.R.S.I.</b> Certs. M. & C. W. and C. M. B. <b>Miss M. Aspden, A.R.S.I.</b> Certs. M. & C. W. and C. M. B.
Clerk ... ..	<b>Miss A. Smith.</b>

#### HOUSING SUMMARY.

Number of new houses erected during the year:—

(a) Total ... ..	3
(b) With State assistance under the Housing Acts of 1919 or 1923:—	
(1) By the Local Authority ... ..	nil
(2) By other bodies or persons ... ..	nil
Houses in course of erection under Council's Building Scheme ... ..	30

#### 1.—Unfit Dwelling-houses—

Inspection—(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ..	570
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 ... ..	243
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	19



(4) Number of dwelling houses (exclusive of those referred to under (3)) found not to be in all respects reasonably fit for human habitation	533
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## 2.—Remedy of Defects without Service of Formal Notices—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	...	...	...	30
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## 3.—Action under Statutory Powers—

### A—Proceedings under Section 28 of the Housing, Town Planning, &c. Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	...	241
(2) Number of dwelling-houses which were rendered fit:—		
(a) By owners	...	146
(b) By Local Authority in default of owners		0
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close		0

### B—Proceedings under Public Health Acts—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	244
(2) Number of dwelling-houses in which defects were remedied:—		
(a) By owners	...	189
(b) By Local Authority in default of owners		0

### C—Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c. Act, 1909—

(1) Number of representations made with a view to the making of Closing Orders	...	19
(2) Number of dwelling-houses in respect of which Closing Orders were made	...	19
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	...	0
(4) Number of dwelling-houses in respect of which Demolition Orders were made	...	3
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	...	3

**Note.**—3 houses (2 back-to-back), owned by the Council were demolished for road-widening purposes.

ALEXANDER G. GLASS.

APPENDIX

Statistics relating to Farnworth obtained from the Census 1921.

TABLE A.

ACREAGE, POPULATION, PRIVATE FAMILIES AND DWELLINGS.

	Area in Statute Acres	TOTAL POPULATION.						Private Families and Dwellings.				
		1911			1921			Private Families	Popula- tion in Private Families	Struc- turally Separate Dwell- ings occupied	Rooms occupied	Rooms per Person
		Persons	Persons	Males	Females	Persons per Acre						
FARNWORTH U.D.	—	...	...	...	...	...	...	6186	26836	6118	26205	0.98
Wards :												
North	...	...	...	...	...	...	...	922	3922	903	3646	0.93
North-East	...	...	...	...	...	...	...	608	2802	603	2605	0.93
North-West	...	...	...	...	...	...	...	1231	5176	1225	5384	1.04
South	...	...	...	...	...	...	...	1108	5120	1103	4469	0.87
South-East	...	...	...	...	...	...	...	775	3233	761	3512	1.09
South-West	...	...	...	...	...	...	...	1542	6583	1523	6589	1.00



TABLE C.  
Private Families, Classified by size of Family, Rooms Occupied, and Density of Occupation.

Number of Persons in Family.	Number of Private Families occupying the following Number of Rooms.								TOTAL PRIVATE FAMILIES		Popula- tion in Private Families	Rooms Occupied	Average Number of Rooms per Person	Density of Occupation.			
									No.	%				Population at following densities of occupation (rooms per person).			
	1	2	3	4	5	6-7	8-9	10 and over						under .3	.3 and under .5	.5 and under .7	.7 and under 1.0
1...	2	13	31	96	19	9	2	1	173	2.8	173	682	3.94	—	—	—	—
2...	5	53	128	591	157	38	9	3	984	15.9	1968	3988	2.03	—	—	10	—
3...	7	32	137	783	252	67	12	1	1291	21.1	3873	5398	1.39	—	21	96	—6
4...	2	15	147	734	257	72	15	2	1244	20.1	4976	5278	1.06	8	—	64	584
5...	1	6	93	572	189	66	9	4	940	15.2	4700	4050	0.86	5	30	465	2860
6...	—	4	82	354	145	51	8	3	647	10.5	3882	2813	0.72	—	24	2616	870
7...	—	1	49	214	106	32	1	2	405	6.5	2835	1762	0.62	7	343	1498	931
8...	—	—	37	126	67	28	2	—	260	4.2	2080	1137	0.55	—	296	1544	224
9...	—	—	19	64	35	9	2	—	129	2.1	1161	563	0.48	—	747	351	63
10...	—	1	11	39	14	10	2	—	77	1.2	770	339	0.44	10	500	220	40
11...	—	—	—	8	7	5	—	1	21	0.3	231	113	0.49	—	165	55	—
12...	—	—	—	4	2	3	—	1	10	0.2	120	59	0.49	—	72	36	—
13...	—	—	1	1	—	—	1	—	3	0.0	39	15	0.38	13	13	13	—
14...	—	—	1	—	1	—	—	—	2	0.0	28	8	0.29	14	14	—	—
15 & over	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total Private Families —	17	125	736	3586	1251	390	63	18	6186	100.0	—	—	—	—	—	—	—
Population in Private Families	46	346	3190	15168	5780	1930	283	93	—	—	26836	—	—	57	2225	6968	5578
Rooms occupied	17	248	2207	14343	6255	2407	523	205	—	—	—	26205	0.98	—	—	—	—
	0.3	2.0	11.9	58.0	20.2	6.3	1.0	0.3	100.0	1921.	Percentage of families living in various units of occupation.						
	0.1	1.2	3.6	64.2	22.1	7.2	1.0	0.6	100.0	1911.	"	"	"	"	"	"	"



TABLE D.

## AGES (Quinquennial Groups) and MARITAL CONDITIONS.

				Males	Females	
					All	Married only
Total	...	...	...	13000	14894	5610
<i>Marital Conditions</i>						
Single	...	...	...	6856	8038	—
Married	...	...	...	5576	5610	5610
Widowed	...	...	...	567	1241	—
Divorced	...	...	...	1	5	—
<i>Ages (last birthday)</i>						
0—4	...	...	...	1239	1230	—
5—9	...	...	...	1220	1220	—
10—14	...	...	...	1255	1376	—
15—19	...	...	...	1221	1312	18
20—24	...	...	...	1086	1311	322
25—29	...	...	...	1039	1346	748
30—34	...	...	...	1024	1219	831
35—39	...	...	...	894	1095	801
40—44	...	...	...	870	1036	752
45—49	...	...	...	856	997	712
50—54	...	...	...	686	766	533
55—59	...	...	...	545	676	417
60—64	...	...	...	432	496	255
65—69	...	...	...	341	370	142
70—74	...	...	...	191	228	57
75—79	...	...	...	63	137	17
80—84	...	...	...	33	60	3
85—89	...	...	...	4	15	1
90—94	...	...	...	1	3	1
95 and over	...	...	...	—	1	—



TABLE E.

Occupations by Sex of Persons aged 12 years and over.

OCCUPATION.	Farnworth U.D.	
	Males	Females
I. Agricultural Occupations ... ..	65	5
II. Mining and Quarrying Occupations ... ..	2608	8
III. Workers in the Treatment of Non-Metalliferous Mine and Quarry Products (excluding Workers in Gas Works) ... ..	20	1
IV. Makers of Bricks, Pottery and Glass ... ..	39	4
V. Workers in Chemical Processes—Makers of Paints, Oils, etc. ... ..	120	1
VI. Metal Workers (not Electro Plate or Precious Metals) ...	770	17
VII. Workers in Precious Metals and Electro Plate ... ..	—	2
VIII. Electrical Apparatus Makers and Fitters (not elsewhere enumerated) and Electricians. ... ..	62	18
IX. Makers of Watches, Clocks and Scientific Instruments...	10	—
X. Workers in Skins and Leather, and Makers of Leather and Leather Substitute Goods (not Boots and Shoes).	26	27
XI. Textile Workers ... ..	1927	4090
XII. Makers of Textile Goods and Articles of Dress ... ..	109	192
XIII. Makers of Foods, Drinks and Tobacco ... ..	56	68
XIV. Workers in Wood and Furniture ... ..	218	3
XV. Makers of and Workers in Paper ; Printers Bookbinders, Photographers, etc.	65	44
XVI. Builders, Bricklayers, Stone and Slate Workers ; Contractors ... ..	361	—
XVII. Painters and Decorators (not Pottery) ... ..	80	—
XVIII. Workers in other Materials... ..	2	1
XIX. Workers in Mixed or Undefined Materials (Not else- where enumerated) ... ..	14	1
XX. Persons employed in Gas, Water and Electricity Under- takings (not elsewhere enumerated) ... ..	45	1
XXI. Persons employed in Transport and Communication ...	606	12
XXII. Commercial, Finance and Insurance Occupation (excluding clerks) ... ..	552	319
XXIII. Persons employed in Public Administration and Defence (excluding Professional Men and Typists) ...	80	29
XXIV. Professional Occupation (excluding Staff) ... ..	120	183
XXV. Persons employed in Entertainments and Sports ...	28	14
XXVI. Persons engaged in Personal Service (including Institutions, Clubs, Hotels, etc.) ... ..	158	397
XXVII. Clerks and Draughtsmen (not civil service or Local Authority) ; Typists ... ..	257	120
XXVIII. Warehousemen, Storekeepers and Packers ... ..	217	71
XXIX. Stationary Engine Drivers, Dynamo and Motor Attendants ... ..	140	—
XXX. Other and Undefined Workers ... ..	468	6
XXXI. Retired or Not Gainfully occupied ... ..	825	6297